

WHAT IS CLAIMED IS:

1 1. A print system having a printer host and a printer,
2 the printer host generating print data based on image
3 data and outputting the print data to the printer, and
4 the printer interpreting the print data thus received
5 and printing an image based on the print data, the print
6 system comprising,

7 a print data generation speed calculating means
8 which calculates a speed for generating the print data;

9 a print data output speed calculating means which
10 calculates a speed for outputting the print data;

11 a print data interpretation speed calculating
12 means which calculates a speed for interpreting the
13 print data; and

14 a processing speed analyzing means which obtains
15 a print data generation speed calculated by the print
16 data generation speed calculating means, a print data
17 output speed calculated by the print data output speed
18 calculating means and a print data interpretation
19 speed calculated by the print data interpretation
20 speed calculating means, and outputs image data for
21 displaying each speed thus obtained.

1 2. A print system according to claim 1, further

2 comprises,

3 a printer ability storing means which stores a
4 maximum speed for interpreting the print data of said
5 printer, wherein,

6 said processing speed analyzing means obtains
7 from said printer ability storing means the maximum
8 speed for interpreting the print data, and includes
9 a display of the maximum print data interpretation
10 speed in said image data.

1 3. A print system according to claim 2, further
2 comprises,

3 an analysis information storing means which
4 stores an analysis rule which defines processes to be
5 performed by said processing speed analyzing means and
6 contents to be displayed with regard to printing
7 process statuses, respectively corresponding to
8 relationships among the print data generation speed,
9 the print data output speed, the print data
10 interpretation speed, and the maximum print data
11 interpretation speed, wherein,

12 said processing speed analyzing means refers to
13 said analysis rule, and performs a process as defined
14 in said analysis rule, based on thus obtained print
15 data generation speed, print data output speed, print

16 data interpretation speed, as well as including in said
17 image data the contents to be displayed, which are
18 defined in said analysis rule.

1 4. A print system according to claim 3, wherein,
2 the processes to be performed by said processing
3 speed analyzing means, which are defined in said
4 analysis rule, may include a process for suppressing
5 a speed for generating the print data of said print
6 data generation speed calculating means.

1 5. A print system according to claim 1, wherein,
2 said processing speed analyzing means performs
3 each of said processes at predetermined intervals.

1 6. A print system according to claim 1, wherein,
2 said print data generation speed calculating
3 means calculates a print data generation speed based
4 on a print data amount generated within a unit of time,
5 said print data output speed calculating means
6 calculates a print data output speed based on the print
7 data amount outputted within a unit of time, and
8 said print data interpretation speed calculating
9 means calculates a print data interpretation speed
10 based on a print data amount interpreted within a unit

11 of time.

1 7. A method for keeping track of printing process
2 status in a print system having a printer host and a
3 printer, the printer host generating print data based
4 on image data and outputting the print data to the
5 printer, and the printer interpreting the print data
6 thus received and printing an image based on the print
7 data, wherein,
8 .. a print data generation speed is calculated based
9 on a print data amount generated within a unit of time,
10 a print data output speed is calculated based on
11 thus outputted print data amount within a unit of time,
12 a print data interpretation speed is calculated
13 based on the print data amount interpreted within a
14 unit of time, and
15 each speed thus calculated is displayed.

1 8. A method which keeps track of printing process
2 status according to claim 7, wherein,
3 information regarding a printing process status
4 is displayed according to a predetermined rule, based
5 on said each speed thus calculated and a maximum print
6 data interpretation speed of said printer.